

# GLAST Users Committee (GUC) Report

Josh Grindlay

GLAST SWG Meeting  
Stanford

Oct. 1, 2004

# GUC Members

- ♣ Josh Grindlay (Harvard; Chair)
- ♣ Dave Bertsch (GSFC)
- ♣ Roger Brissenden (SAO)
- ♣ Jim Buckley (Washington U.)
- ♣ Wim Hermsen (Leiden)
- ♣ Jim Ling (JPL)
- ♣ Alan Marscher (BU)
- ♣ Reshmi Mukherjee (Barnard)
- ♣ Rene Ong (UCLA)
- ♣ Rita Sambruna (GMU)
- ♣ Greg Stacy (LSU)
- ♣ Mark Strickman (NRL)
- ♣ Ann Wehrle (JPL)

## *Ex Officio Members*

David Band, Don Kniffen, Jon Ormes,  
Chip Meegan, Peter Michelson, Steve Ritz

# Aug. 9-10, 2004, Meeting Agenda

## Monday, Aug. 9:

8:30 Coffee and sustenance

9:00 Welcome and Introductions

9:05 GUC Organization (Josh, Don)

Issues: Charter, scope, reporting (e.g., who takes minutes and writes up a meeting summary?)

9:15 Mission Update

Issues: hardware; schedule; funding

- A. NASA HQ Report (Don)
- B. DOE Report (Kathy Turner)
- C. Project Report (Al Verracchio, Steve)
- D. LAT Report (Peter)
- E. GBM Report (Chip)

10:30 Break

11:00 GBM as All-Sky Monitor (Jim Ling)

11:15 GSSC Report

Issues: results of recent peer review; reorganization; staffing

- A. GSSC Status (Jay)
- B. User Support (David)

12:00 Lunch (in conference room)

1:00 Status of Data Policies & GI Program (Steve, Don, David)

Issues: honor statement; relation to DOE and international support of data analysis

1:45 Progress on Development of Analysis Tools

- A. Nature of the data (David)
- B. Likelihood (Jim)
- C. GRBs (David)
- D. Pulsar timing (Masa Hirayama)
- E. Implementation of FTOOLS (James Peachey)

3:30 Break

4:00 Observing Plans (Robin, Steve, others)

Issues:

- A. Policy for discretionary time for the Project Scientist
- B. Calibration time allocation for LAT
- C. Survey vs. pointed observations: philosophy
- D. Survey vs. pointed observations: implementation drivers

5:15 Executive session of Committee

Issues: review discussion and possible action items

5:45 Adjourn

7:00 GUC Dinner at home of David and Debbie Band

## Tuesday, Aug. 10:

8:30 Coffee and sustenance

9:00 PDMP Review (David)

Issue: GUC comments on document (posted on website); baseline?

10:30 Break

11:00 Multiwavelength observations (Dave Thompson, Steve)

Issues: Coordination; source monitoring (including who does it in Phase 2); joint observing proposals (e.g. GLAST-NOAO, etc.)

12:00 Additional roles for GUC? (Josh)

Issues: Promoting GLAST science; coordination with the SWG; relation to other missions; Outreach

12:30 Lunch (in conference room)

1:30 Executive session of Committee

Issues: action items; writing assignments; issues raised for Project/GSSC

2:30 Discussion with Project and GSSC

3:30 Adjourn

# Highlights from Minutes

(Minutes posted at <http://glast.gsfc.nasa.gov/ssc/resources/guc/>)

## ♣ Mission Report (Steve Ritz presentation)

- ♣ Data Challenges (DCs) extend to HEASARC?
- ♣ Links between DCs and Pipeline releases?

## ♣ User Support (David Band presentation)

- Software docs should emphasize cookbooks
- TOO's should be widely publicized for joint obs
- Joint GLAST-other mission proposals should be allowed
- Committee recommends Science Policy Document

# Representative issues (cont.)

## ♣ All Sky Monitor role for GBM? (Jim Ling)

- Can BATSE-type survey be done with GBM?
- GI programs before launch to implement S/W?
- GUC requests GBM vs. BATSE comparisons

## ♣ Observing Plans

- Figure of merit of pointing vs. survey needed
- GUC supports emphasis on Survey vs. pointing
- GUC supports Deep Survey programs

## ♣ Data Policy (Steve Ritz)

- “Honor Statement” not needed
- GUC supports cost impact of GLAST Fellows

# Representative issues (cont.)

## ♣ Multiwavelength campaigns (Dave Thompson)

- GUC strongly supportive
- Interest in pre-launch planning: Large Programs?

## ♣ Roles for GUC? (Committee discussion)

- Oversee GSSC
- Review NRAs
- Guidance for resource balance (GI vs. GSSC)
- GLAST Science Symposia and Community outreach
- Support for Senior Reviews in later mission

## The GLAST Users' Committee Action Items

#	Description	Assigned To	Dates
11	Develop the policy for legacy proposals	Josh Grindlay Rita Sambruna	Opened: 8/10/04 Expected closure: 2/15/05
10b	Determine NASA HQ's PDMP policies	Don Kniffen	Opened: 8/10/04 Expected closure: 9/11/04
10a	Send comments on the PDMP to David Band and Steve Ritz	GUC	Opened: 8/10/04 Expected closure: 9/11/04
9	Determine the size of the GI programs and DOE's support plans	Josh Grindlay Steve Ritz Peter Michelson	Opened: 8/10/04 Expected closure: 2/15/05
8	Organize a demonstration of an analysis thread using the SAE	Jay Norris	Opened: 8/10/04 Expected closure: 3/3/05
7	Develop the science policy document	Roger Brissenden Steve Ritz	Opened: 8/10/04 Expected closure: 2/15/05
6	Develop the plans for the Cycle 1 GI program, particularly the LAT data release in the first year	Peter Michelson	Opened: 8/10/04 Expected closure: 2/15/05
5	Develop the GUC Charter	Josh Grindlay Don Kniffen	Opened: 8/10/04 Expected closure: 9/11/04
4	Summarize a) the division of responsibility between the GSSC and the LAT team for the SAE, b) the development plan, and c) the software updating plan	Peter Michelson Jay Norris	Opened: 8/10/04 Expected closure: 3/3/05
3	Determine the GBM's sensitivity as a sky monitor and the effort necessary to apply BATSE software to the GBM	Chip Meegan Jim Ling	Opened: 8/10/04 Expected closure: 2/15/05
2	Define the policy for Project Scientist Discretionary Time	Steve Ritz Rene Ong	Opened: 8/10/04 Expected closure: 2/15/05
1	Determine the relative merits of pointed vs. survey mode. This will require developing different figures of merit and performing trade studies.	David Band Jim Buckley Julie McEnery (coordinating) Peter Michelson Reshmi Mukherjee	Opened: 8/10/04 Expected closure: 2/15/05

# GUC Charter (Draft)

The GUC provides broad-based input from the GLAST User Community to the GLAST Project and NASA Headquarters. Its primary purpose is to ensure that interests of the Guest Investigator (GI) community are served by the GLAST Science Support Center (GSSC) and Instrument Teams in planning for and executing GLAST development and operations. Key areas that the Committee shall consider and review include: analysis software and data distribution from the GSSC, data rights and policy issues, planning for NRAs for selection and execution of GI programs, balance of resources for GI programs and support for the analysis and data distribution tools developed by the GSSC and Instrument Teams, broad dissemination of GLAST science results through Symposia, and future development of the field with a GLAST Fellows Program. The GUC shall be the primary interface between the user community and Project over its lifetime and assist the Project Scientist in preparation for future Senior Reviews of the mission during its operational phase.

# GUC Charter (cont.)

Members of the GUC are chosen by the NASA HQ Program Scientist and Chair, in concurrence. Approximately 12 members from the high energy astrophysics community and external to the Project shall constitute the Committee, with staggered terms of 3 years. Members are chosen for their expertise in a broad range of fields, including Particle Physics, relevant to GLAST as well as (secondarily) distribution of institutions. The Chair shall also serve as an ex-officio member of the Science Working Group (SWG) and be the principal conduit between the GUC and SWG.

The GUC shall report to the GLAST Program Scientist at NASA HQ and Project Scientist. Minutes of the Committee meetings, as well as presentations, reports and recommendations, shall be posted on the GUC website. Agendas of meetings shall be posted well in advance of meetings to encourage input from the community at any time.